



# KD 150 F GX Series

KD150GX-LFU

## CUTTING EDGE TECHNOLOGY

As a pioneer with four decades of experience in the development of photovoltaic systems, Kyocera drives the market as a leading provider of PV products. We demonstrate our *Kaizen* philosophy, or commitment to continuous improvement, by setting the industry standard in the innovation of best-in-class solar energy equipment.

## QUALITY BUILT IN

- UV-stabilized, anodized aluminum frame in black
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation

## PROVEN RELIABILITY

- Kyocera modules confirmed by the Desert Knowledge Australia Solar Centre to have the highest average output of any crystalline module
- First module manufacturer in the world to pass long-term sequential testing performed by TÜV Rheinland
- This series construction also passed TÜV Rheinland's Salt Mist Corrosion Test at Severity Level 6, the most intense test conditions available
- Only module manufacturer to achieve the rank of "Performance Leader" in all six categories of GTM Research's 2014 PV Module Reliability Scorecard

## CERTIFICATIONS

- UL1703 Certified and Registered, UL Fire Safety Class C
- Applicable to hazardous location, Class I Div. II
- NEC2008 Compliant, IEC 61215/61730, and ISO 14001
- IEC61701 Ed.2 Severity 6 (Salt Mist Corrosion Test)



## ELECTRICAL SPECIFICATIONS

## Standard Test Conditions (STC)

STC=1000 W/M<sup>2</sup> irradiance, 25°C module temperature, AM 1.5 spectrum\*

## KD150GX-LFU

|                 |        |   |
|-----------------|--------|---|
| $P_{max}$       | 150    | W |
| $V_{mp}$        | 18.2   | V |
| $I_{mp}$        | 8.25   | A |
| $V_{oc}$        | 22.5   | V |
| $I_{sc}$        | 8.87   | A |
| $P_{tolerance}$ | +10/-0 | % |

## Nominal Operating Cell Temperature Conditions (NOCT)

NOCT=800 W/M<sup>2</sup> irradiance, 20°C ambient temperature, AM 1.5 spectrum\*

|            |      |    |
|------------|------|----|
| $T_{NOCT}$ | 45   | °C |
| $P_{max}$  | 108  | W  |
| $V_{mp}$   | 16.4 | V  |
| $I_{mp}$   | 6.59 | A  |
| $V_{oc}$   | 20.6 | V  |
| $I_{sc}$   | 7.18 | A  |

## Temperature Coefficients

|           |       |      |
|-----------|-------|------|
| $P_{max}$ | -0.46 | %/°C |
| $V_{mp}$  | -0.52 | %/°C |
| $I_{mp}$  | 0.006 | %/°C |
| $V_{oc}$  | -0.36 | %/°C |
| $I_{sc}$  | 0.06  | %/°C |

|                |            |    |
|----------------|------------|----|
| Operating Temp | -40 to +90 | °C |
|----------------|------------|----|

## System Design

|                    |      |
|--------------------|------|
| Series Fuse Rating | 15 A |
|--------------------|------|

|                                |       |
|--------------------------------|-------|
| Maximum DC System Voltage (UL) | 600 V |
|--------------------------------|-------|

|                  |                          |
|------------------|--------------------------|
| Hailstone Impact | in (25mm) @ 51mp (23m/s) |
|------------------|--------------------------|

\*Subject to simulator measurement uncertainty of +/- 3%.  
KYOCERA reserves the right to modify these specifications without notice.

CERTIFIED IEC61215 ED2 IEC61730 BY JET

NEC 2008 COMPLIANT  
UL 1703 LISTED  
032316

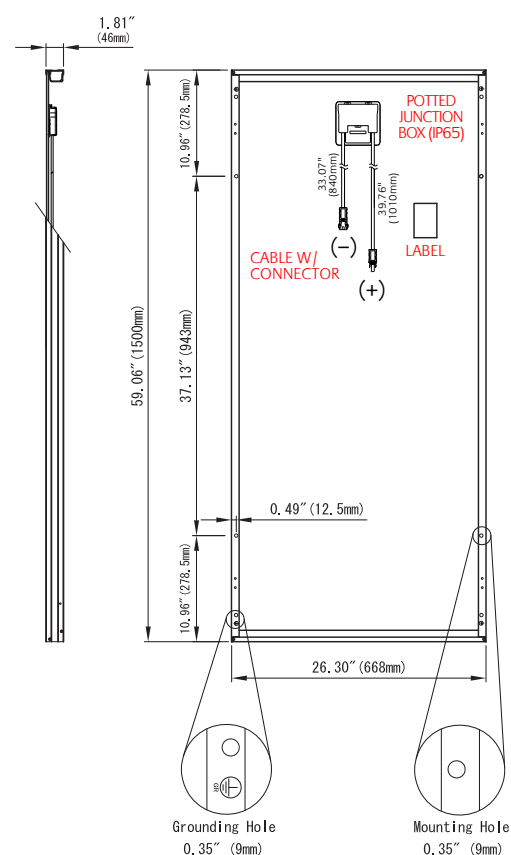


## MODULE CHARACTERISTICS

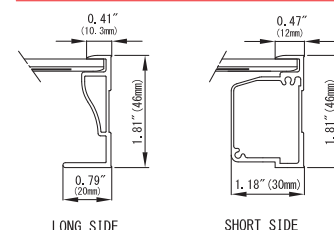
|                                    |                                               |
|------------------------------------|-----------------------------------------------|
| Cells per module:                  | 36 (4 x 9)                                    |
| Dimensions:<br>length/width/height | 59.06in/26.30in/1.81in<br>(1500mm/668mm/46mm) |
| Weight:                            | 27.6lbs (12.5kg)                              |

## PACKAGING SPECIFICATIONS

|                                               |                                                  |
|-----------------------------------------------|--------------------------------------------------|
| Modules per pallet:                           | 20                                               |
| Pallets per 53' container:                    | 54                                               |
| Pallet box dimensions:<br>length/width/height | 63.19in/27.56in/49.02in<br>(1605mm/700mm/1245mm) |
| Pallet box weight:                            | 632.8lbs (287kg)                                 |



## FRAME CROSS SECTION DIAGRAM



LONG SIDE SHORT SIDE

OUR VALUED PARTNER